

What is claimed is:

- 1 1. A computer, comprising:
  - 2 a system;
  - 3 an AC power supply operatively connected to said system for supplying said
  - 4 system with power;
  - 5 a battery operatively connected to said system and which is charged with
  - 6 power from said AC power supply and then discharged to supply power to said
  - 7 system; and
  - 8 a circuit operatively connected to said battery and said AC power supply and
  - 9 which is capable of turning off a charging function to said battery while said battery
  - 10 is connected to said AC power supply with said system being powered off.
- 1 2. The computer according to Claim 1, wherein when said system is powered
- 2 off during charging to said battery, said circuit turns off the charging function to the
- 3 battery after the charging is complete.
- 1 3. The computer according to Claim 1, wherein said circuit can turn on charging
- 2 function to said battery if said AC power supply has shifted from not being
- 3 connected to being connected with said system powered off.
- 1 4. The computer according to Claim 1, wherein said circuit turns on charging
- 2 function when a battery that has not been connected is connected with said system
- 3 powered off.
- 1 5. The computer according to Claim 1, wherein said circuit turns on charging
- 2 function to a battery after a predetermined time period has passed with charging
- 3 function to the battery turned off.

1       6.     The computer according to Claim 1, further comprising a regulator operatively  
2     connected to said circuit for supplying a small amount of power to said circuit.

1       7.     The computer according to Claim 1, further comprising a user interface for  
2     a user to set said charging function for when the system is in power-off state, and  
3     wherein said circuit turns off the charging function to said battery based on  
4     information set in said user interface.

1       8.     Apparatus comprising:  
2                 a computer system;  
3                 an AC power supply operatively connected to said computer system and  
4     supplying power thereto;  
5                 a wakeup device operatively connected to said computer and effective to  
6     wake up the computer system;  
7                 an auxiliary power supply which supplies power to said wake up device while  
8     said computer system is powered off and said AC power supply is connected; and  
9                 a circuit for turning off said auxiliary power supply based on settings by a  
10    user.

1       9.     Apparatus according to Claim 8 wherein said circuit turns off said auxiliary  
2     power supply for WakeOnLAN function.

1       10.    A method comprising:  
2                 determining whether or not a battery connected to a computer system is  
3     being charged from an AC power supply with said system powered off; and  
4                 turning off the power to a charging circuit for charging the battery when the  
5     battery is not being charged even if said AC power supply is connected.

1       11.    A method according to Claim 10, further comprising turning on the charging  
2     circuit in response to elapse of a predetermined time period after the power supply

3 to the charging circuit is turned off.

1 12. A method comprising:

2 turning off the power supply from an AC power supply to a battery charging  
3 circuit which charges a battery connected to a computer system with said system  
4 powered off; and

5 shifting the power supply of the charging circuit from OFF to ON when the AC  
6 power supply is connected after not being connected.

1 13. A method comprising:

2 turning off the power supply from an AC power supply to a battery charging  
3 circuit which charges a battery connected to a computer system with said system  
4 powered off; and

5 shifting the power supply of the charging circuit from OFF to ON when a  
6 battery requiring to be charged is connected to the system after not being  
7 connected.

1 14. A method comprising:

2 turning on an auxiliary power supply which supplies a wakeup function for a  
3 computer system with the system powered off in response to the state of an AC  
4 power supply for the system;

5 turning off the auxiliary power supply if the AC power supply is not connected  
6 and only the battery is connected; and

7 turning off the auxiliary power supply depending on settings even when said  
8 AC power supply is connected.

1 15. A method according to Claim 14, further comprising turning off the charging  
2 function to the battery depending on settings with the system powered off.

1 16. A program product comprising:

2           a computer readable medium:  
3            computer readable instructions stored on said medium and effective when  
4   executing on a computer system to cause the system to:  
5            determine whether or not a battery is being charged with the system  
6            powered off; and  
7            turn off the power to a charging circuit for charging a battery when the  
8            battery is not being charged even if an AC power supply is connected.

1   17.   A program product according to Claim 16, wherein said instructions further  
2   cause the computer system to turn on the power supply for supplying power to the  
3   charging circuit when the AC power supply is connected after not being connected.

1   18.   A program product according to Claim 16, wherein said instructions further  
2   cause the computer system to turn on the power supply for supplying power to the  
3   charging circuit when a battery requiring to be charged is connected after not being  
4   connected.

1   19.   A program product according to Claim 16, wherein said instructions further  
2   cause the computer system to turn on the power supply providing power to the  
3   charging circuit in response to elapse of a predetermined time period after the  
4   power supply is turned off.